

CONFIDENTIAL~~SECRET~~

24 September 1957

file P-144A

50X1

MEMORANDUM FOR: THE RECORD

SUBJECT : Trip Report - [REDACTED]

50X1

1. A meeting was held at the offices of [REDACTED] on 19 September 1957 for purposes of reviewing APD project status. Present at the meeting were:

50X1
50X1

[REDACTED]

50X1

2. The discussions covered the following:

a. P-144A - Carrier Current System

Modification of the MK II prototypes was completed by [REDACTED] prior to this meeting. All equipments were checked out in the laboratory prior to acceptance by the undersigned and three which failed to meet acceptable performance levels were turned back for rework. In general, they were unacceptable due to high noise levels and low audio gain which resulted in poor signal to noise ratios in the FM receiver. It is felt that these problems can be overcome in the three units remaining. The several units which this division turned over to [REDACTED] for evaluation will be retained in APD for comparison with the reworked units. Should they later be needed to fill an operational requirement they can be reworked at that time.

50X1
50X1

No further effort is planned at this time. [REDACTED] will, however, prepare replacement schematics for the maintenance manuals currently in possession of APD. This program should be complete by mid-October.

50X1

50X1

b. P-191A - Audio Surveillance Receiver, ASR-1, Low Band

Fabrication of the 12 ASR-1 receivers is again progressing at a satisfactory rate. All component parts have now been received and final assembly has commenced. Two to three weeks will be needed for this phase. At that time three completed receivers will be calibrated and the remaining tuning dials sent to a vendor for engraving. This final

CONFIDENTIAL
~~SECRET~~

DOCUMENT NO. 15
NO CHANGE IN CLASS. L.
DECLASSIFIED
CLASS. CHANGED TO: TS S (C) 2010
NEXT REVIEW DATE:
AUTH: HR 70-2
DATE 22 JAN 1988 REVIEWER: 037169

~~SECRET~~
2-

Memo for the Record dated 24 September 1957

Subject: Trip Report - [redacted]

50X1

step will consume approximately one week. As a result, it is anticipated that the units will not be ready for final acceptance tests until the last week in October. The undersigned will supervise these tests at the contractor's facility. Upon satisfactory completion of the acceptance tests the units will be available in APD for disposition early in November. It does not seem feasible to expect any receivers to be available in time to be shipped to [redacted] use during the course of his TDY.

50X1

[redacted] was informed that future quantities of the ASR-1 would probably be procured on an invitational-bid basis rather than as a sole source procurement. It is expected that they will be invited to submit bids along with several other qualified contractors.

50X1

The inconveniences caused by the delay in completion of the ASR-1 program was pointed out to [redacted] and it was further stated that it is hoped that future deadlines can be met more readily; since his company performs so well technically, it behooves them to bring their administrative procedures up to a similar level of proficiency, if they are to continue doing business with this Agency. [redacted] agreed and pointed out several factors which should cause the administrative side of the operation to improve radically in the immediate future. It is hoped that he is correct.

50X1

50X1

A final model of the AC regulated power supply was demonstrated quite successfully. On a nominal 110 volt AC line, receiver performance was virtually unaffected by a variation of input voltage over a range of 65 to 135 volts AC. In addition, the power supply is practically unaffected by variations in output load as would be encountered in case of tube failure or removal from the receiver. The power supply will be packaged in a can a little larger than a package of king sized cigarettes. It is expected that there will be patentable material in the circuit of this power supply - and, accordingly [redacted] was informed again of their responsibilities under the existing contract in so far as patent rights and procedures are concerned.

50X1

Commercial batteries have been selected for use with this receiver yielding a useful life of approximately 20 hours, continuous duty. Standard commercial connectors will be included with the equipment so as to facilitate the installation of replacement cells.

c. P-191B - Audio Surveillance Receiver, ASR-2, High Band

The front end of this receiver has now been finalized. Frequency coverage will be approximately 50-200 mc/s. Sensitivity, selectivity and other receiver parameters will be comparable to the

CONFIDENTIAL
~~SECRET~~

~~SECRET~~

-3-

Memo for the Record dated 24 September 1957

Subject: Trip Report -

50X1

ASR-1 except for image rejection which will be somewhat down from the performance of the low band unit. Future work will concentrate on packaging and environmental testing of the unit. No serious problems can presently be envisioned which will prevent this program from being completed on schedule.

3. FUTURE WORK

The status of an ASR-3 proposal was discussed and it was decided that a deadline of 15 October would be set for submission of same to this office. The reason for the present delay has been the press of the ASR-1 delivery schedule which prevents the Project Engineer from diverting any of his time to writing new proposals for the low band equipment program is completed.



TSS/APD/EB

50X1

Distribution:

- 1 - P-144A
- 1 - P-191A w/attachment
- 1 - P-191B
- 1 - Chrono

Attachment:

Mentioned above



50X1

~~SECRET~~

CONFIDENTIAL